

Yearly Operational Plan (YOP)

Town of Wellesley

2023

Updated: January 31, 2023



Prepared By:

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Yearly Operational Plan

The purpose of 333 CMR 11.00, Rights of Way Management, is to promote the implementation of integrated pest management techniques and to establish requirements and procedures necessary to minimize the risk of unreasonable adverse effects on human health and the environment associated with the use of herbicides to maintain streets, road, sidewalks, and paths. These regulations establish procedures that guarantee ample opportunity for public and municipal agency review and input on the right-of-way maintenance plans.

A yearly operational plan (YOP) must be submitted to the Department of Agricultural Resources every year with herbicides that are intended for use to maintain rights-of-way. The YOP provides a detailed program for vegetation management for the year. A five-year Vegetation Management Plan (VMP) was approved by the Department and is available for review at the office of the Department of Public Works, Board of Health, Natural Resources Commission, and Select Board.

Upon receipt of this YOP, the Department publishes a notice in the Environmental Monitor. The Town must provide a copy of the proposed YOP and Environmental Monitor notice to the Board of Health, Natural Resources Commission, and the Select Board for the Town of Wellesley in which the herbicide treatment is proposed. The Department allows a 45-day comment period on the proposed YOP beginning with the publication of the notice and receipt of the YOP and Environmental Monitor notice by the Town.

Public notification of herbicide application to the streets (ROW) is made at least 21 days in advance of the treatment by a separate notice. Notice is made to the Department of Agricultural Resources, Board of Health, Select Board, and the Natural Resources Commission in the Town of Wellesley.

Any comments on this YOP should be made to the person designated herein as the person supervising the YOP or the person performing the treatment.

Municipal Yearly Operational Plan

This Yearly Operational Plan, approved by the Massachusetts Department of Agricultural Resources pursuant to Rights-of-Way Management Regulations (333 CMR 11.00), has been adopted by the following roadway vegetation management program in the Town of Wellesley. The undersigned hereby acknowledges that the conditions of the Yearly Operational Plan will be adopted and complied with.

Municipality: Town of Wellesley


Name: Paul V. DePhillips MCLP, ISA
Assistant Superintendent, Wellesley Park & Tree

Agency: Department of Public Works

Address: 30 Municipal Way, Wellesley MA. 02481

Telephone / Fax: Tel. 781-235-7600, ext.3331 / fax: 781-431-7569

Email: pdephillips@wellesleyma.gov

Signature: 

Date: 1/31/23

Wetland Determination
Issued by: Town of Wellesley G.I.S. Department

Individual Supervising YOP

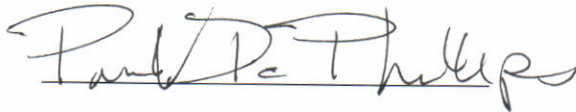
Name and Title: Paul V. DePhillips MCLP, ISA
Assistant Superintendent, Park & Tree

Department: Department of Public Works

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Telephone: Tel. 781-235-7600, ext.3331 / fax: 781-431-7569
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Signature:



Municipal Department Performing Herbicide Treatment

The Park & Tree Division will perform the herbicide treatments. The following licensed applicators are employed by the town and certified by the Massachusetts Department of Agricultural Resources in the applicator category listed next to their names:

Certified Applicator & License Number:

Park & Tree Staff:

1. Paul DePhillips, Assistant Superintendent / License # 47969 Category #40
2. Susy Jordan, Horticultural Technician / License #34654 Category #36
3. Adam Wheeler, Athletic Fields Foreman / License # 28069, Category #37
4. Waldermar Caban, Groundskeeper Foreman / License # 31667 Core
5. Timothy Bania, Groundskeeper / License # 42021 Core
6. Benjamin Smith, Groundskeeper / License # 0049611 Core
7. Adam Granger, Groundskeeper / License # 0048036 Core
8. Mike Balboni, Groundskeeper / License # 0051450 Core
9. Daniel Smith, Groundskeeper / License # 0051494 Core

Company or Department: Wellesley Department of Public Works

Address: 30 Municipal Way, Wellesley, MA 02481
Telephone Number: 781-235-7600
Email: dpw@wellesleyma.gov

Yearly Operational Plan

The following information is provided as details of the YOP of the Town of Wellesley in accordance with the requirements of 333 CMR 11.06 (2):

Herbicide Proposed for Use in Calendar Year 2023 are:

1. **Garlon* 4 Ultra / Dow Agro Sciences, EPA Reg. # 62719-527.** This product is a post-emergent, systemic herbicide with no soil residual activity. It gives broad-spectrum control of many woody brush, vines, and trees. It is formulated as a water-soluble liquid containing surfactant and no additional surfactant is needed or recommended. The application rate will be based on the type of application and targeted vegetation as prescribed by the manufacturer.

The Safety Data Sheet and the herbicide fact sheet for the above-listed herbicide is attached to and made part of this YOP. Also a map of the Sensitive Area Restrictions is included.

Herbicide Application Techniques and Alternative Control Procedures

The herbicide will be applied in accordance with the instructions in the attached manufacturer's information. Alternative mechanical control procedures that are used at the designated "No Spray Zones" and used as a means of control will consist of using hand saws/ pruners and/ or chain saws to control vegetation. Other alternative controls will include routine street sweeping along with road crack repairs and roadside mowing.

Vegetation that we control by herbicide generally falls into two categories: low-growing herbaceous or vining species and tall-growing woody tree and shrub species. Only when vegetation that is less than twelve feet tall will be foliar treated. This technique has few limitations with the exception being reduced effectiveness on tall, high-density target vegetation, not expected under this YOP.

This product is mainly used by the department for control of invasive and public nuisance vegetation (vines) that is challenging to control manually. The foliar treatments will be applied to low-growing herbaceous or vining species by applying the herbicide using a manual pump sprayer. This equipment has a low pressure/volume below 60 psi. at the nozzle for application. The herbicide solution will be applied to lightly wet the target plant.

On rare occasions, trees and shrubs treatments will consist of cut stump treatments by mechanical cutting of target species using hand saws/ pruners or chain saws and immediately followed by herbicide applied by dauber on the freshly cut surface of the remaining stump. Cut stump treatments will be performed on tree/shrub species that are susceptible to re-sprouting growth.

The Town is responsible to insure that vegetation management activities are conducted in a professional, safe, and efficient manner, with special attention directed towards minimal environmental impact. The Town personnel are qualified, licensed, and certified to apply herbicides and are considered applicators. "Qualified" means those applicators who have been trained to recognize and identify target and non-target vegetation and are knowledgeable in the safe and proper use of both mechanical and chemical vegetation management techniques. All applicators applying herbicides in Massachusetts must be licensed in the Commonwealth and must work under the on-site supervision of a certified applicator. All applicators will also follow all Label instructions regarding Personal Protective Equipment (PPE).

All equipment used for vegetation management programs must be maintained in good working condition and should be of adequate design and ability to produce the professional quality of work that the Town requires. The Town applicators will provide the appropriate application equipment, calibrated to effectively and legally control target vegetation as to the recommended label requirements.

The Town will comply with all applicable federal and state laws and regulations and the listed herbicide will only be applied in a safe and judicious manner. The Town will comply with but are not limited to OSHA, FIFRA, and DOT regulations, 333 CMR 1-15.00, Rights-of-Way Management, Chapter 132B, Chapter 85 of the Acts of 2000 (see Appendix IV), and 321 CMR 10.00 as managed by NHESP.

All Town applicators will at all-time exercise good judgment and common sense during herbicide treatment activities, and will immediately cease operations if adverse conditions or other circumstances warrant.

Herbicides will NOT be applied during the following adverse weather conditions:

- A. During high wind velocity, per 333 CMR 11.03
- B. Foliar applications during periods of dense fog, or moderate to heavy rainfall
- C. Foliar applications of volatile herbicides during periods of high temperatures (90 plus degrees Fahrenheit) and low humidity
- D. Cut Stump applications when deep snow (i.e. 6" plus or ice frozen on stem or stump) prevents adequate coverage of target plants to facilitate acceptable control

The Town applicators must complete daily vegetation management reports that include:

- A. Name, date, and time of application and applicators license #
- B. Identification of site or work area
- C. Type of equipment and hours used, both mechanical and chemical
- D. Method of application and description of target vegetation
- E. Amount, concentration, product name of herbicide(s), adjuvants, and dilutants (EPA registration numbers must be on file)
- F. Weather conditions
- G. Notation of any unusual conditions or incidents, including public inquiries
- H. Recording and/or verification of sensitive areas on ROW maps

Identification of Target Vegetation

The target vegetation for this YOP will be Poison Ivy (*Toxicodendron radicans*), Black and Pale Swallowwort (*Cynanchum louiseae* and *Cynanchum rossicum*), and Tree of Heaven (*Ailanthus altissima*).

Vegetation management crews will exercise care to insure that low-growing desirable vegetation and other non-target organisms are not unreasonably affected by the application of herbicides.

Public Nuisance Vegetation

Public nuisance vegetation includes vegetation that grows along public roads and paths that cause allergic or other problems. The majority of plant material to be controlled is Poison Ivy.

Vegetation Posing a Risk to Safety

The vegetation that hampers visibility or impedes movement along roads and trails is considered to pose a risk to public safety. M.G.L. Chapter 87, Section 5 authorizes tree wardens to have control of "all public shade trees, shrubs, and growths" along public ways. The primary control methods we use are mowing, weed-whacking, or pruning plants that interfere with traffic and visibility. However, due to topography, rate of growth, or other physical characteristics certain plant species might be controlled by herbicides or to prevent regrowth. When vegetation is less than 12 feet tall it may be foliar treated.

Description of Methods Used to Identify Sensitive Areas

When mechanical and manual methods become impractical to control weeds, it is the intention of the Town of Wellesley to spray problem vegetation in traffic islands, roadsides, and along the curb lines of sidewalks.

Potential sites for treatment using Garlon 4 Ultra for Poison Ivy and Swallowwort -

Glen Road	Harris Avenue	Cedar Street
River Street	Cartwright Road	Brookside Road
Great Plain Avenue	Hastings Street	Cochituate Aqueduct Trail
Hunnewell Field (path from Smith Street to Rice Street Ext.)		
Fullerbrook Path (Cameron Street N to footbridge)		
Hastings Street (also Tree of Heaven)		
Tailby Parking Lot (Tree of Heaven)		

Treatments will be done with applicators using a backpack sprayer or a dauber to selectively treat problem areas, which will be posted at time of application. All the town applicators will be issued a map to identify all the town's Sensitive Areas and "No Spray Zones" as defined in 333 CMR 11.04 during the application process. See attached map that has been created by the town's G.I.S. Department.

Procedures and Locations for Handling, Mixing, and Loading of Herbicide Concentrates

The herbicide will be mixed in a controlled environment at the Wellesley Department of Public Works Facility, 30 Municipal Way, Wellesley. Although it is expected that all the mixed herbicide will be used, any remaining will be stored at the Park Garage in accordance with the manufacturer's instructions. The absorbent product "Speedi-Dri" will be available for use at the locations of the application for any spills. If there is a leak in the hose, the pump will be immediately shut off. The equipment used will be washed at the Department of Public Works Facility.

Herbicides will be handled and applied only in accordance with the label instructions and with proper use of PPE also.

Emergency Contacts

- Herbicide label
- Herbicide MSDS sheet
- Herbicide Manufacturer
 - DOW (800) 992-5994
 - Dupont (800) 441-3637
 - Monsanto (314) 694-1000
 - Nufarm (800) 345-3330
- Massachusetts Pesticide Bureau (617) 626-1781
- Massachusetts Department of Environmental Protection (888)-304-1133
- Chem Trec (800) 424-9300
- Massachusetts Poison Control Center 24-Hour Hotline (800) 222-1222
- Department of Public Health – Environmental Toxicology Program (617) 624-5757
- Wellesley Fire Department (781)-235-1300
- Wellesley Health Department (781)-235-0135
- Wellesley Police Department (781)-235-1212
- National Pesticide Information Center (800)-858-7378
- National Animal Poison Control Center (888)-426-4435



Sensitive Area Restrictions			
333 CMR 11.04			
CONTROL STRATEGIES FOR SENSITIVE AREAS			
Sensitive Area	Minimum Buffer Zone (feet)	Control Method	Time Restriction Code
Public Ground Water Supplies	400'	Mechanical Only	None
Primary Recharge Area	Designated buffer zone or 1/2-mile radius	Mechanical, Recommended Herbicides*	1
Public Surface Water Supplies (Class A & Class B)	100'	Mechanical Only	None
	100'-400'	Recommended Herbicides	1
Tributary to Class A Water Source, within 400' upstream of water source	100'	Mechanical Only	None
	100'-400'	Recommended Herbicides	1
Tributary to Class A Water Source, greater than 400' upstream of water source	10'	Mechanical Only	None
	10'-200'	Recommended Herbicides	1
Class B Drinking Water Intake, within 400' upstream of intake	100'	Mechanical Only	None
	100'-200'	Recommended Herbicides	1
Private Drinking Water Supplies	50'	Mechanical Only	None
	50'-100'	Recommended Herbicides	2
Surface Waters	10'	Mechanical Only	None
	10'-100'	Recommended Herbicides	2
Rivers	10' from mean annual high-water line	Mechanical Only	None
	10'-200'	Recommended Herbicides	2
Wetlands	100' (treatment in wetlands permitted up to 10' of standing water)**	Low-pressure Foliar, CST, Basal Recommended Herbicides	1
Habitated Areas	100' (for high-pressure foliar only)	Recommended Herbicides	2
Agricultural Area (Crops, Fruits, Pastures)	100' (for high-pressure foliar only)	Recommended Herbicides	2
Certified Vernal Pools	10'	Mechanical Only	None
Certified Vernal Pool Habitat	10'-outer boundary of habitat	As recommended by NHESP in their permit process, no treatment without written permission	
Priority Habitat	As recommended by NHESP in their permit process, no treatment without written permission		

Restriction Code #1: A minimum of twenty-four months shall elapse between applications

Restriction Code #2: A minimum of twelve months shall elapse between applications

*Massachusetts recommended herbicides for sensitive sites